St Louis Nov 6 1853

Dr Gray

Dear Sir

I was delighted to get news from you and to learn that all our botanic friends are active and stirring. Torrey is a singular man, he does not write to me, nor send me any of his publications, though I believe him to be very friendly to me.

Your letter reached me yesterday, but it appears that you have not got a letter of mine directed to Dorchester in July.

I have put myself in communication with Mr Thurber, and he very kindly promised to send me his specimens and notes; but with the express understanding that they should not be used for Emory's Report! After that I did not hear anything of him till a week or two ago when I received a box of drawings and specimens. He writes that the greater part of his collections has been lost in the Gulf of Mexico; what I have got is a drawing of the head of the plant (C. gigg.) with fl. & fr. a section etc. half a dry flower of C. gigg, a fruit in Alcohol & a plenty of seed in good condition (do you wish some?) The fruit certainly is without spines, as also the ovary, but the short fleshy scales have short, brownish wool in their axilly

the fruit opens in 3 or 4 irregular valves, and drops the pulp which is collected by the Indians on the ground!

He collected in Sonora another Cereus, similar, only 10 feet high; I have also half a flower of that; both have short flowers, wide tube, thick fleshy obtuse cream coloured petals and belong to the same section of Cereus, which may form a connecting link with P. Cacereus. — Unfortunately these are of this second species very incomplete notes only, but the flower is characteristic. —

I have written to Thurber asking many questions — you know — I am strong in questioning about Cacti! — Also asking him to permit the publication of his material in Ely's Report — Your remarks that the California coll. is to be published separately and first, induces me to write to him again for the same object. — You know him, I suppose, well enough to write to him (Providence R.I.). If you think it can be done without impropriety or will lead to any thing improper, I wish you would address him on the same subject. — He speaks highly and very friendly of you Bigelow, & Wright — but appears to be unwilling to have any thing to do with Lucary. —

Gray writes me that Thurber will also send him his other botanical material.

I have been very busy till within a week or two and could not think of any thing but my patients. I have more leisure now, and am glad to hear from you ~~that~~ what is going on. I shall therefore now first go at the California Cacti

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

I have heard nothing of S. O. Bigelow since he left Fort Smith, though he must have got letters from me at Albuquerque; nor do I know for certain that the expedition had reached there — I dont think I read of it in the papers. — I expected Bigelow to do a good deal in the Cactus line in New Mexico and to send specimens from there. With his present lights he can do a great deal there to elucidate mooted points. —

I could get here a good draftsman and lithographer, a German, who has been engaged in drawings of natural history in Germany, and does them well. How would it suit Emory if that could be done here, under my superintendence though it would give me great trouble I think it could be done more thoroughly than any where else, where I could not superintend it.

Has Schott or Emory collected any more Cacti?

I have written to Schott in Summer but got no answer from him.

If so I must have them.

It is too late in the season now to distribute the specimens, but early next spring is shall be done; and a complete set will be sent to Washington.

Write soon

yours truly

G Engelmann

over

Anticipating my return the following winter I have inserted the following remarks which the collector Charles Wright has kindly supplied me with.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

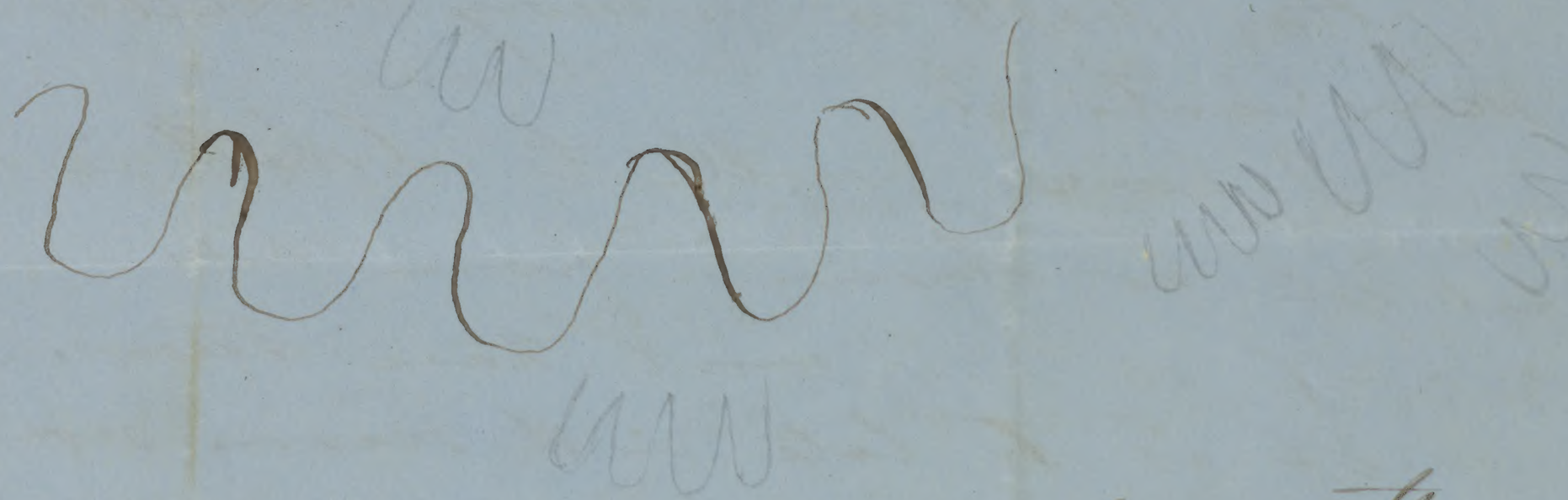
section of a young plant

G. Engelmann
Nov 6th 1853

old plant

"the upper part of the plant has deeper and more numerous furrows"

"Yes"



What is your recollection about these things? — is the last section correct?

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Opuntia rutila Nutt with beautiful purple flowers was collected by E Hall July 4th 1862 — the only plant he met with — mixed with the yellow flowering form — near the Soda Springs 2½ miles from Colorado City.

" It grew 15 or 20 yards north east of the Soda Spring, the Spring used principally for drinking, on the north side of the Creek. This locates the plant within a rod at furthest ".

It is desirable to get the living plant — a few joints, if possible with fruit attached — esp. ripe fruit. They might be sent by mail or express — me of course to pay the expenses.

Dr. J. Engelmann, St Louis, Mo

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Dr Engelmann

St Louis Jan 24th 1861

Dear Doctor Parry

I was right glad to hear from you again — and such news! I should like to go with you at once, if — if — if —

Fendler is engaged by Mr Shaw as a sort of curator in his botanical Garden and Museum and would not like to leave a comfortable berth, I suppose.

You can send any thing, from a ream of paper to a quartz stamping apparatus, steam-engine etc from here to Pike's Peak, by the regular express, and you may go yourself by stage for lean with to Denver, as I suppose you would not like to loose any time in the plains, but

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

want to be in the Mountains with the opening of Spring there, returning in the fall.

I shall certainly be one of the Subscribers for your sets of Duplicates; perhaps? Mr Shaw might be one; Prof Short in Louisville will certainly be one and you will find a dozen without difficulty. —

You might go Hannibal to St Joseph and from there to Leavenworth, whence the stage starts; but I hope you will prefer to come to St Louis and start from here.

As the Express as well as the Stage ~~start~~ go all winter and spring, you will be able to leave even earlier than the first of May, so as to be sure to be in time in the Mountains.

Have you made any Collections on the northern Lakes?

I am afraid you have forgotten that promise, that, after getting well fixed, you would be able to communicate some valuable duplicates from your former western expeditions. —

I have no doubt that the Missouri Republican would pay you a very fair salary for correspondence,

I think it will be best for you to come to St Louis <u>before</u> you intend to start, so as to make the necessary inquiries and arrangements. My assistance in any thing that I <u>can</u> do for you shall not be wanting.

Or if that should take too much time and unnecessary expense, then you must come here after leaving Dacotah for good, and go to Leavenworth from here.

cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

I do not know of any parties going from here; by far the most expeditious way is as stated above to take the stage and send baggage by Express.

I am working at Botany when ever I have leisure, and particularly at a collection from Utah, brought home by a brother of mine who was there as Geologist.

Write to me again about your plans and wishes

Mrs Engelmann sends her best regards

Very truly yours

G Engelmann

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

St Louis Febr 26 1861

Dear Porter

I just receive a letter from our friend Gray, who wishes me to say to you that a dog bite by which he lost part of his thumb makes it troublesome to write, but that he will soon communicate with you... He wants me to impress on you the importance of making good dried specimens, and to do all you can on the highest summits. Look out for Chionophila a new diminutive plant, new genus of Bentham, near Pentstemon "a complete desideratum"

As soon as it is settled you go Gray will put an announcement in Silli. Journal. No doubt a dozen or so of sets will sell promptly but the market is limited.

He wants you to send by mail bits of specimens to me or Rice to get you information about them, whether they are worthless sets. —

Your letter of Jan 31st ought to have been answered sooner but I had no opportunity to see Mr Paschall of the Republican till lately. He told me that he had a correspondent there but on further consideration he concluded to offer as a basis for further correspondence 5 dollars for weekly or semi-monthly letters. If you have no better offers you may accept or not, or perhaps he may give more if he finds that your letters suit him. — When you come here you call on him. —

If you come here you will see also Shaw — an Feather; the latter has I understand some idea of going to the Mountains. I have not seen him lately. What would be your proposition to him, if he would be to go with you as you suggested in a former letter?

Missouri Botanical Garden
copyright reserved

You will see Fendler here and can learn from him a good deal about the mechanical part of such expeditions and collections even if he should not conclude to go — of which I know nothing but what I remarked above

Write soon, especially if you want any thing; I shall try to be more prompt in answering

Yours truly

G. Engelmann

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

copyright reserved
MISSOURI BOTANICAL GARDEN

St Louis March 14 1867

My Dear Dr Parry

A letter from Prof Short of Louisville says: Should Dr Parry have any of his Pikes' Peak plants for sale I should like to obtain a set — provided they are named; for I have such a mass of nameless plants on hand that I have no desire to add to that number.

Gray and myself will take care that they shall not remain nameless long!

Your letter of March 2d was received in due time; but I do not know what further to do for you; I think it is entirely useless to speak again with the editor of the Republican, until you can see him yourself, as he told me positively about those letters and made his offer. It seems to me that the thing

0 cm 1 2 3 4 5 6 7 8 9 10
Copyright reserved
MISSOURI BOTANICAL GARDEN

can be settled in 15 or 20 minutes.

I might send ahead a package of drying paper for you I should think at least 4 or 6 reams, and will do so as soon as you write me word to that effect.

I have not seen Mr Sandter since. As to my going, that of course will remain a pium desiderium!

If you could take a good barometer along, your exploration would be so much more valuable.

By the way, I believe you are not a member of our Academy yet. I must propose you as a Correspondent.

Overhauling those western collections I am often annoyed by the fact that some of the most interesting plants have been collect'd only in flower, often only in the earliest stages of development; or only in fruit. Very often it was neglect'd to gather fruit, which could have been found if sought for; but often no doubt it was not to be had — not even vestiges of the year before. — In many plants, eg. Umbelliferae, and many others Coniferae also — this is a great drawback, and new species can not be clear'd and described if thus deficient. You must try to have them in all stages of developement, — and also ripe seed for cultivation. —

Examining collections now from Utah and from the Survey of the Missouri and the Red-River Mountains, I find the former vastly more interesting, as containing more novelties going south and westward

you are apt to do better and I therefore think you will try to get to the San Juan mines after exploring Pikes Peak.

If you can not take a Barometer, try to take at least several good thermometers, graduated to the boiling point, to ascertain the boiling temperature of pure water, which will give approximately the height of the place of observation.

Very truly

Yours

G Engelmann

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

St Louis March 29th 61

Dear Doctor

I forgot to give you the necessary data in the letter mailed this morning. On the other page you will find all that is necessary. I add only, that of course you would not take the Pacific but the Hannibal Railroad, where you leave here by 4 p.m. on a boat, and reach St Joseph the following evening and may leave per Pike's Peak stage next morning. It is not necessary to engage places beforehand, as there is always room enough and more coaches are added if necessary. — So I am told.

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Now it would perhaps be a little cheaper for you to go from Davenport by boat to Hannibal; but I do not know whether you do not prefer to come here spend a few days to perfect your arrangements, especially see and consult Mr Bradley who has much experience, and then return to Hannibal.

If you arrange so as to arrive a day before you at St Joseph, you might possibly make some other & cheaper arrangement. But considering every thing, the Stage is probably preferable.

Ever yours

T Engelmann

Pacific Railroad 190 miles
then also 80 miles stage
$15 — takes 2½ days.
to Leavenworth

Hannibal & St Joe Rail road
28 hours to St Joseph.
for $10.50.

St Joseph, Leavenworth or Atchison — Coaches to Pikes Peak every Tuesday, Thursday & Saturday morning,
fare $75.— 6 days —
board yourself — find stations all along the road.
20 ℔ baggage are free,
balance of baggage has to be sent by freight train.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

St Louis April 16 1861

My dear Doctor

I just get the enclosed letter from New York and now answer yours of April 10th, so that you may get this letter before starting.

I am very sorry that you do not come here; you might have seen Hendlers and received a good deal of information from him, and would have seen his Santa Fe Collection and Haydens coll. from Fort Laramie to the headwaters of the Missouri & Columbia and my brothers Utah Collection.

I wanted to impress on you verbally and by showing you good specimens, the importance of making large and complete collections specimens, showing the whole growth and habit and also the different stages of development which is a most important thing. It is of course not always possible to obtain such specimens in travelling, you may find flowers and no fruit, or fruit and no flowers etc; but they must be hunted for, and with care it is often possible to find for example a fruit or part of one of last year, or a specimen more advanced than the rest, showing young fruit etc; or some belated flower among a lot of fruiting specimens.

Try to find out the general or average appearance of the species and their range of variation wherever it is possible especially where it is abundant.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

look for the roots, bulbs etc, and collect at least some of them; if too large, they can be split and a ~~[illegible]~~ slice put up, showing the thickness and the external appearance.

Hunt especially on the highest mountains, near the snowline etc.

You will probably find the San Juan Mountains more interesting, if you should penetrate there than the Pike's Peak. The farther south and the further west you get, the more diversified and new the mountain flora seems to get.

Note all the peculiarities of the plants which ~~[illegible]~~ are not visible on the specimen itself or are lost (such as colour of flowers) in drying; especially date of collection, locality, whether single or gregarious, in dry or wet soil, shady, rocky, sunny etc etc. ✓ height and thickness of stem; collect slice of bark also; manner of growth of trees or shrubs etc.—

Among the Pike's Peak plants, which were collected by Jamin and not found since is Chionophila = a diminutive Penstemon. Torrey, whose handwriting I recognize on the cotton can give you more information about those things.—

Opuntia arborescens, Echinocactus Simpsoni (like a Mammillaria but bearing flowers and fruit on top of the tubercles), Carex vividiflora and perhaps a few others are found on the Pike's Peak region.

Nuttall's Opuntia rutila = Low & Gr. (I suppose you take that work with you) from the upper Colorado has not been identified: "flowers carmine red, fruit spiny!" therefore near O. Missouriensis but neither that nor any of its allies has red flowers. Could Nuttall have seen only the withered flowers which in all these yellow fl. species turn reddish?

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

or can he possibly have had a cylindric Opuntia with spiny fruit in view? - such as O. acanthocarpa E & Bigelow, the fl. of which is unknown.

Cactus are best pressed, if a slice with tubercles, spines etc and fl. or fruit is cut off. -

Seeds of Cactaceae (numerous) will be very acceptable. -

Any seeds you gather, put up with some flowers leaving branch or so with the same paper, * so as to enable one to identify the species.

Upon Gill also find. Mammillaria vivipara (red terminal flowers, green terminal fruit) M. Wettallii (yellow terminal flower, red lateral fruit) Opuntia Missouriensis and O. fragilis; the flowers of the latter are not well known: - perhaps one or 2 other Opuntias with Mountains.

A most important instrument is a large and heavy knife, fit to cut down a small tree and dig out roots, 2 or ~~3 ft~~ inches wide 9 or 10 long and 3 lines thick on back, very firmly fastened in a solid handle and carried in a sheath. It is an indispensable instrument, and you should one order at once at a tool maker's, if you are not provided. -

I am sorry that I sent that paper and brought you thus into unnecessary expense. Enclosed you find a receipt for the package. They were two packages, each of 3 bundles, of blue thick and heavy paper and were to be packed in a sack (or 2 sacks!) - The receipt for prepayment is on the left hand

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

side in the corner below (16.60), very unbecoming like, but people tell me that third freight payment is receipts by these companies.

At Denver you call at the office of the Express Company and show this receipt (Buffalo grass you may find on the plains, but perhaps not yet in flower at Fort Kearny it is abundant). Specimens both sexes will be very acceptable to owners of herbaria; but Prairie plants generally are not so very curious or interesting; nevertheless do not overlook them.

I hope to hear from you before you start or at least before you leave the states. Write often, and enclose fragments or small specimens of plants of any thing curious or new to you.

Truly yours

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

G. Engelmann

You may meet in the Pikes Peak region a Mr Froebel, mining engineer and metallurgist from here, a young man of some ability, with whom Wislizenus & myself are well acquainted.

Your draft was duly paid.

I open the envelope of Torrey's letter to slip this in.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

St Louis April 17 1861

My dear Doctor

Yesterday I sent you a long letter, but I find that I have forgotten to tell you how I arrange the travelling portfolio for pressing plants. And as I deem this contrivance as convenient as it is simple, I think it worth while to communicate it to you yet. It has been used by almost all the travelling botanists who started from here and has been found very advantageous.

I stick two sheets (making 4 faces) of thick soft paper together either by a few stitches or by pasting them on the back together, one in the other (folded).

I then draw a loop through one of the corners and by this loop or string I attach a number of them (say 20 or 25) to a strong piece of twine, 1 or 1/2 inches apart from each other. This twine terminates in two loops, by which the

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

which can be hung up in the sun or wind to dry, like clothes on a cloth line, dangling about and drying in a very short time.

The specimens themselves ought to lie in finer paper, newspaper or printing paper, in which they may remain till perfectly dry; the more delicate ones ought never be taken out of this finer paper until dry. This will facilitate the changing, as you have only to change the layers of coarse paper, and not every single specimen, which whenever the specimens are small or delicate is troublesome and takes time.

In order to dry the layers, I take the ~~plants~~ finer paper including the plants out and either put it in layers of another portfolio of dry paper, or if that is not handy, if all, for example, should be in use, then the fine paper may without disadvantage be put in a heap, until the damp layers are dried which being on all sides exposed to the wind and dangling in the sun, is easily done, when the fine paper may be put back between the layers.

You know that the specimens are most easily put up when quite fresh; they require least manipulation and make the best dried specimens.

They ought not, when too long, be broken or cut in two, but cut at a sharp angle, not round; not

All these things are perhaps as well known to you, and better, than I can describe them; in that case you will excuse my officiousness.

By all means make large and fine and complete specimens!

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

I hope to have a line from you before you leave.

Very truly yours

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

G. Engelmann.

In packing plants, you can put a great many in one sheet, being careful to dispose the thick parts (root, stem, fruit, head) so as not to cover one another. — Nuttall advised to sew the package up in green hide, which when dry, will make an excellent bundle impossible to injure.

Where (small) plants grow in patches together it is well not to separate them entirely, but leave a few together, just as you press mosses, in order to show by the specimen their peculiarity of growth.

I suppose Mr Sullivant will be glad to get your mosses, Mr Tuckerman your Lichens — Curtis your fungi.

you see that I never finish!

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Engelmann

St Louis Aug 8th 1861

Dr C C Parry

My dear Doctor

I got your letter of June 24th written at the Snowy Range and containing very pretty specimens of very rare plants, on July 17th. Not feeling competent to satisfy your questions I at once sent plants and letter to Prof Gray, but singularly enough I have not heard from him since. I now request him to return the letter and send me his opinion about the plants, as soon as possible so as to be able to answer you without too much delay. I do not know whether he is absent from Cambridge or what keeps him from writing me. After waiting nearly 6 weeks I drop you these lines, just to let you know, why your letter is not answered sooner

Neither have I got another missive from you, but hope you are doing well in your mountain fastness near the eternal snows (while we and amidst the blistering grandeur of nature here are suffocated by 100 a 102 deg of

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

heat and "protected" by my old friend Gen. Fremont and his thousands of Bayonets and kept straight, but throughout the State there is great confusion.

The look of your plants resembling so much in physiognomy the alpine flora which I had occasion to admire in May 3 years ago in Switzerland, delighted me greatly — and set me almost crazy to follow you to our American Alps. There is a freshness about the specimens which makes them look almost alive or gathered only a day or two ago and put one right amid the scenery of your travels. Send soon more!

You, living on the heights of this globe, far above us "mud sills" must have had a fine opportunity to observe the splendid Comet. When did you see it first? Here as well as in the eastern states it first appeared on Sunday evening June 30th. The weather before was cloudy for 3 or 4 days; on that day it was most splendid, whether and gradually faded. Now it is scarcely and only faintly visible to the naked eye. It has been found to be a new Comet never before seen or at least calculated.

This wagon road expedition is certainly a very convenient way for you to travel, to make you money and to transport your collection, but I am afraid it may lead you through the most fruitful alpine peaks; a "wagon road" of course avoiding them as much as possible.

What will become of us, Heaven only knows; it is not impossible that either our "protectors" or our "liberators" or both alternately may make an end of us, city and people.

Gov Gilpin is a member of our Academy of Sciences and received from us at his request last winter a petition of the Academy to the Powers in Washington to order a scientific survey of the Pikes Peak region. He is however rather an excentric man, selftaught and full of crude notions, but I believe zealous and would like to do right and further science.

Write soon again

Ever yours

G Engelmann

I have written to you, that I have got there $9.65 from the Express Co for you

I have not done much in Botany. The maladies of the Grape have attracted my attention lately, on account of their very economical importance; & I have made many microscopical investigations not only of fungi of the Grape but led away by this interesting study of many other species — they are really charming and seductive

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

St Louis May 21st 1861

My dear Doctor

I enclose you the duplicate draft, though I hope it will not be necessary, the first sent a week ago having reached you and having been paid.

It was a long business, about this draft; but I believe I informed you before in regard to it.

The draft you have sent was finally returned by me to Willard & Co. by the request of Mr Shields; Willard & Co paid me the money, after Anderson had refused.

We are here effectually coërced the excitement has somewhat subsided but the bitter feeling raised by the wanderous firing of untrained soldiers; the national animosity between Germans, which form the bulk of the soldiery and Americans and the fear that worse things

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

are in store for us, has not blasted
and will, I fear, in the end
very disastrously affect Missouri.
This fear drives daily hundreds
of families out of our city.
What then the foolish legislation
in Jefferson city! If among
the miserable blunders which
both sides commit the country
will eventually rise again
the greatest proof for its
inextinguishable vitality will
have been furnished

I hope you have little of these
things on the mountain heights
of Pikes Peak!

Write soon and send
some specs of plants!

Ever yours

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

G. Engelmann

Dr C C Parry

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

St Louis May 13 1861

My dear Doctor

I have at last your money, and enclosed you will find a draft on Mountain City, which your friends at Denver will have no difficulty or hesitation in cashing for you.

I have written to you to Fort Kearney but doubt whether you can have got that letter; it contained nothing but an account of the difficulties which I had with your draft. —

Mrs Anderson & Watson refused to pay, whereupon I wrote to Mr Shields but got no answer until last Friday; he referred me back to A & W. who again refused, then to another house who promised to pay today if ct. on second application would not. He, the second person, did pay the money this morning, and in "bankable funds"

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

$106.85 for which I got the check for $94 herein sent.

I hope that it will reach you safely and in good time, and be of good service to you.

How glad would I be if I could roam about with you on the snowy mountains, instead of practicing medicine here any time and especially now when nobody pays up and when the political animosities embitter life here.

The borderstates with their different interests and different elements are worse situated than either north or south, and St Louis with its heterogeneous population is worse than any other place; Claiborne crown all we have the worst Demagogues here, Frank Blair and Boernstein at the head of them. — Accordingly things were managed so badly and with such high hand, that blood was spilt freely and last Saturday within a square of my house. Gen Harney has arrived here yesterday and taken command, and adopted more legal and more calming measures. I pity the country that is domineered by blood thirsty and reckless politicians!

I shall send you a second draft in one week, but hope the first one will have been paid. —

The Cactaceae in your region known to me are

1, Mamillaria vivipara

2 Echinocactus Simpsoni (Cook, like a Mamillaria, but the fl. & fruit is on the top of the tubercles.

3, Cereus viridiflorus

copyright reserved
MISSOURI BOTANICAL GARDEN

4, Opuntia Missouriensis
5. O. fragilis
6, O. arborescens (cylindrica
3–5 feet high) –
Seeds of the second and last will
be very acceptable.

I believe that I have written
to you already about this; as
also about the obscure Opuntia
patula Nutt – Torr & Gr.

Write soon

Ever yours

G Engelmann

H C Clapp

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 cm 1 2 3 4 5 6 7 8 9 10
Copyright reserved
MISSOURI BOTANICAL GARDEN

Missouri City 1861

Dr Curry

Dear Doctor

Yours of Aug 6 has just come to hand and, as you propose to leave the Mountains at the end of this month I must make haste to answer you.

I must have informed you of the payment of that overcharge of the Express Company, long since.

I wrote you Aug 8th informing you that Dr Gray to whom I communicated your plants had not yet answered me. I have only a few days ago got his letter to you which I herewith transmit. Of Torrey I have not heard; he does not write to me at all since two years — negligence, not ill will I trust! —

You are probably right in returning here, though you will find a great change since last spring. But you do not want our news! They are however, fortifying the approaches,

copyright reserved
MISSOURI BOTANICAL GARDEN

to St Louis, and heaven knows whether Mr Shaw's fine establishment will not become a battle-ground, and the herbarium of your ob't serv't will not be used as fuel to smoke out one or the other party as the case may be. That is our situation, and when in September you will approach our state you may get "startling news" — perhaps (?) the most startling one that peace is at hand!

The composita in your letter is Chaenactis achillaefolia, allied to Hymenopappus; the cream-colour Pentstemon is very peculiar and pretty; I shall forward it to Gray.

The San Juan Mountains are said to be abandoned now as sterile in gold.

I have taken up in a desultory way — what do you think? — the mildews and other low cryptogamic organizations! Beautiful and most curious! The rot in our grapes induced me to study these plants. I find two very distinct fungi on them and two different kind of rot in connection with them. —

As Gray writes about your plants I need not say anything.

We, i.e. myself and family leave in peace and so far without disturbance and without anxiety following our regular avocations but we do not know what the morrow will bring.

Nothing of any of our friends. Thurber is in Michigan; Schott I believe still in Washington, Wright in Cuba ("poor Wright is a full fledged secessionist" writes Gray). Of Bigelow I know nothing.

Very truly

Yours

J Engelmann

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Boston Aug 26 1861

My dear Sartor

I shall be very happy to see you here well and hearty and loaded with the rich harvest of the alpine summits but should have preferred you to stay a couple of weeks longer in the mountains. You might have found some other nice Gentians or other fall flowers. The Gentiana saxa is the pretty little G. prostrata Haenke, though erect, perhaps a variety of it, which to ascertain further specimens are necessary. It has been found on the Alps in Europe and on the Rocky Mtns. By the way Gray sent me the other day a specimen of Calluna (Erica) vulgaris! found in Massachusetts! A new discovery.

I am curious to see your pining and pine cones. You will have observed that in high regions they assume very odd forms; thus I have found the tall Abies balsamea in the White Mountains as a prostrate shrub, 1 foot high, spreading 10 and more feet – but not fertile I believe. Well, when you come here, we will examine and

compare.

You complain that you got no letters. I suppose you must have found several in the Denver post office or they have been sent to you to the Mountains and missed you. But for some time I had not written and explained my silence to you by Gray's release to whom I have sent your letter and plant. He being absent from Cambridge did not get the letter till lately, when he wrote you.

I wrote to you June 15 telling you that I got that Express money $4.65. then Aug 8th and Aug. 17, the letter including Gray's letter. Not, of course, yours reached you in Denver. Will it be sent after you?

Sept 3d

I close this letter to send it in proper time to Kansas, where you say you will be about the 10th.

A letter from Gray informs me that your little Pentstemon like thing with the membranous glaucous excapanulate calyx sent in one of the last letters is the long looked for Chionophila (loving snow) and perhaps a second species (Ch. Tangii?).

I have written to Fort Kearny but doubt, whether you got my letters.

Hoping soon to see you here I remain yours

very truly

G. Engelmann

I write no politics or when you will learn more of it than you would like to

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

St Louis Sept 24 1861

My Dear Doctor

I thought you would not come here in these troubled times, when your way would have led you by the contending armies, and in fact would have been entirely impracticable. But I was surprised that you should not have got my different letters nor one from Prof Gray included in one of mine.

I wrote to you June 15 announcing that I had received those $9.65 for you, which letter you never acknowledge. July 1st I got yours of June 24 in answer of mine of May 21 and including Adiantum and other plants. Letter and plants I forwarded to Prof Gray, who happened to be absent from home, and sent me his answer with one for you on Aug 11th. Waiting for Gray's letter I deferred writing to you till Aug 8 when I sent a letter to Denver, and another one including Gray's after the receipt of yours of Aug 6th on Aug 17th.

Yours of Aug 16th reached me Aug 25 and was answered directly to Kearny Same day; another letter

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

I sent to Kansas City Sept 3d with some notes of Gray's on your last batch of plants.

It seems that you did not get any of my numerous letters! How is that? while I got every one from you!

Among your previous plants there was one I believe, undescribed; the Aquilegia was A. brevistyla, forma alpina which is not different from the European plant; the H is plantaginifolia; the different Penstemons are also there; the little Gentian is G. prostrata (found on the Alps of Asia America & Europe) the last low Penstemon is a small form of P. ovatus but that other Penstemon looking thing with the pale purple flowers and membraneous calyx is a Chionophila perhaps distinct from Jamesii species, of which there exists only a poor fragment in Torrey's Herbar.

It is possible that Shaw here may take a set, but he is dilatory and I doubt it' or some of the things which have reduced his income more than 3/4

Dr Short of Louisville has offered to take a set; you send it, after writing to him as will direct as through me; or I will write to him, just as you prefer. — If you think I have deserved some thing, you may make my set a very fine and full one, but I claim the privilege of paying for it as well as other subscribers

Several of my friends in Europe will no doubt take sets, but I suppose Prof Gray will have a list of them also, as they are the same who have taken formerly Sundry and Wright's plants, with the distribution of which I had nothing to do.

I am writing to Gray to morrow and shall confer with him about these matters.

I shall want besides mine a full set of your ferns for a friend in Germany; besides that you will have fragmentary sets, after supplying all subscribers which you might dispose of cheaper. I want some of those for presents to some of my

European friends who may not be in a condition to buy whole sets.

I am sorry that I did not see you here. Perhaps you will make it possible to pass a few days here after your more original business is finished.

Write soon.

Ever truly yours

G. Engelmann

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

St Louis Octob 16 1861

Dr C C Parry

My dear Doctor

Your beautiful collection is before me, as well as both your letters (Sept 27 & Oct 10). — The plants have been in my hands since Thursday but assorting and cursorily examining them I have deferred writing till now. —

I suppose you have sent Prof Shortz collection direct to him, as I have not found them among my package.

Now I begin to criticize with the outside!

You have spent entirely too much paper in the package; a single sheet in place of a double one would have been enough, and for many specimens one so small that several might have been put on one sheet. — The package might have been ~~closed~~ put ~~on both sides with~~ between paste boards, or only between several layers of paper, the whole then firmly done up in a thick paper cover, and well secured by wrapping up with strings.

The paper I believe is the same I sent you to Denver, and hope it has done good service; I like it well.

The specimens are well preserved and in beautiful condition. But you

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

will permit me to make some remarks.

1 I would have desired to see more of the base of the stem or the roots in many specimens. I carry a large and heavy Bowie knife made expressly for that purpose with me, good for cutting down saplings or digging up roots. —

2 In many plants I should have liked to get seeds or fruits for examination: in Thalictrum, Ranunculus, Carex and hundreds of others the fruits is all important. — Of course in travelling it is often impossible to obtain different stages of developement of ~~some~~ plants.

3 Imagining that the number of tickets placed with each species means the number of specimens you count I find that you are oft apt to give too sparingly. In larger plants, a foot high or so one single specimen is of course enough; in smaller ones 2 and in very smaller ones 3 or 4 ought to be counted for one.

—

I am astonished that you finished sorting and packing in one week! and call it a formidable task! It certainly is that but how you could finish it in so short a time I do not understand.

Reading your letter over again, I suppose you want me to select four out of the whole number sent me a set for Dr Short. This is a delicate task which I wish you had done yourself. I suppose where you placed two tickets you meant one for Dr Short, and I have to divide as it can not be helped now.

You ought to have had tickets printed or labels rather, such as Wright and others have; it would not have cost you more than 3 or 4 dollars and would have made the collection look better, and even perhaps sell better.

Many thanks for the nice California plants.

Another time about your future plans. How send you money? After Short has paid me? What do I owe you?

Now for a few notes, made in haste

Pinus A. is P. flexilis, James;

B. is unknown to me, belongs to the Cembra section, though the seed are apparently small (not a single seed found) It is peculiarly characterized by the subulate appendage to the scale, which is deciduous in the fruit, but very remarkable in the young, unripe one, and I would propose to name it Pinus aristata on account of this awnlike appendage. — I can not find any description for anything approaching it.

306 Gentiana, which you sent me by letter, is very pretty and probably distinct from G. prostrata, and I would name it G. Parryi

135 has certainly some outward resemblance with Caryophyllaceae but looking closer at it you will not fail to discover that it is a Gentiana, and very closely allied to the last.

the capsule is exserted on a long stipe or a shorter one or is enclosed entirely. I therefore name it Gentiana heterocarpa.

2. Amica cordifolia Hook

26 Senecio fremontii 40 Iva axillaris

39 – 39 I have not got 44 Artemisia filifolia

46 Actinella 55 Hymenopappus

62 Gaillardia 68 Lygodesmia juncea

79 Ranunculus glaberrimus 80 R. affinis (scarcely possible to decide without fruit.

82 seems a new Trollius, T. albiflorus n. sp.

Delphinium & Aconit are very fine – do you take the blue & white Aconite for the same?

91 Caltha leptosepala – 123 Epilobium latifolium

Have you got no Oenothera?–

145 – Leptotaenia velutinus 162 Bronchia myrtifolia

165 Saxifraga flagellaris 171 Mitella pentandra

175 Jamesia Americana 203 Dryas octopetala

204 Geum rivale 205 G. Rossii 206 Spiraea dissecta

221 Adoxa Moschatellina 229 Pyrola minor

230 P. chlorantha. 231 P. uniflora

232 P. purpurascens nov. spec! near P. elliptica.

233. P. secunda 234 Gaultheria Myrsinites

254 Lithospermum plantaginea

255 near the last, but probably distinct; one species has beatiful large purple flowers, the other much more inconspicuous ones. What do you know about them and their identity?

256 Chionophila with corolla long exserted, while the original Ch. Jamesii has is said to have it scarcely longer than calyx

273 Castilleja Caespitosa 274 Polemonium?

275 – P. confertum; 277 Gilia leptosphylla

311 A most beautiful Primula – new, I take it and to be named after you P. Parryi

324 Euphorbia variegata 329 E. hexagona

330 E. petaloidea 327 Cyclo loma platyphyllum

332 Polygonum viviparum 333 P. bistorta.

yours truly
G. Engelmann

My dear Dr Torr

to me an old species from a new and distant locality is just as interesting as a new species on account of its bearing on geographical botany and of the probable variation and range of variation — so A. Backsiana would have been very desirable to me — and if you can spare a small branch I shall feel under many obligations — or a cone would be still more valuable.

None of the nut pines seem to have come under your observation, though Pinus edulis is common at Santa Fe and Pinus monophylla at the Salt Lake. But you can hardly have failed to notice the very common Pinus ponderosa (allied to P. rigida) as all collectors have brought that home from all parts of the Rocky Mountains.

Seeds of P. flexilis and especially of P. aristata would be highly valued here and especially in Europe where they are mad after new Pines. P. flexilis is unknown in Europe and in a work on Conifers before me, published in Paris 1855 it is mentioned as a doubtful species!!

I regret to doubt whether what has been always taken for P. flexilis is not

something else, and our P. aristata is named plant; for Parry says:
" Strobils erect; scales large unarmed (somewhat like those of P. rigida) branches leafy chiefly at the extremity, remarkable for their flexibility numerous and recurved forming a large dense top; hunters use the seeds for food."

He does not mention however the aristae and the seeds of your plant are too small to be eaten.

What is your recollection about the cones and their position? and growth of tree? It would be well to have always specimens with young cones!

By the way both Torrey and Newberry are wrong, I think in referring Pines resinosa and P. Lambertiana. I believe now that both P. Lambertiana and my P. osteosperma of Wilkes Rep. are synonymous of P. cembroides, that Newberry's P. cembroides is an alpine P. flexilis (do you ever find it with shorter cones than you have sent and the tree as Newberry describes it in Pac. R. R. vol VI as prostrate on the ground? Your San Diego Pine, named by Torrey P. Lambertiana I claim to be a new species which I wish to name after you. In return you should send me a fragment of the plant however small! Have you cones of it? Have you specimens of the your P. Torreyana, and of other California Pines? Even a few leaves would be valuable if I can not have more.

Thanks to you and Gray for the list of nice Compositae. I have at once sent it to Prof Short together with 229 species of your plants, some of my duplicates I have sent along, as I have no use for them, e.g. Gnaphalium and others. But some others from the Catalogue I should like to get even a small fragment would be desirable. I mention

12. Bellonia latisquama n. sp.
31 Coreopsis involucrata
38 Antennaria carpatica
21 Senecio lugens
47 Stenotus pygmaeus
53 Senecio resedifolius & subnudus
67 Erigeron pauciflorus

But I suppose you have scarcely a specimen of yourself left.

I have written to Torrey & to Gray about your plants, your Pines etc.

Will send you money as soon as I hear from Short. — My set is now 268 sp. which at your liberal price is =

	$13.40
Short. 229	22.90
Post Express money	9.65
	$45.95

Have you sent Torrey any of your plants or does he get them through Gray? If not I will communicate to him so

Of the Surplus.

271 Gilia sp.

So Gray did not pat as hard as I did — and I will get into bad odor with my criticism but never mind! Your specimens are very fine, but will be finer yet when you gather the lower part of a stem and roots. These Orchids would look a heap better with the roots!! And another thing, which I have not mentioned before: those cespitose plants of alpine growth ought to be put up in masses together, the better to exhibit their manner of growing; and all cespitose plants ought not to be torn in single fragments, but a bunch kept together.

Gray must have glanced at your 274 very hastily, to name it Lepidanthes; it is certainly what I said it was, Gualtheria but Lepidanthes has a similar look, if looked at very superficially. —

I have not had time lately to examine your plants, and can therefore not answer your queries but will be able to do so shortly. Gray however will be far ahead of me, he is so industrious.

I close Nov 5th, after receiving your last letter. Gray is not right in naming that Gentian prostrata! The Geranium are correctly named. — I shall send the letter of Gray to Short, who must return it to Gray. I have no answer of Torrey or of Gray —

Thanks for the Potatoes! They will do — we have in a day or two.

Very truly yours

J. Engelmann.

I would like to have had 103 & 121 — cespitose plants of the first magnitude with Hooker!

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

copyright reserved
MISSOURI BOTANICAL GARDEN

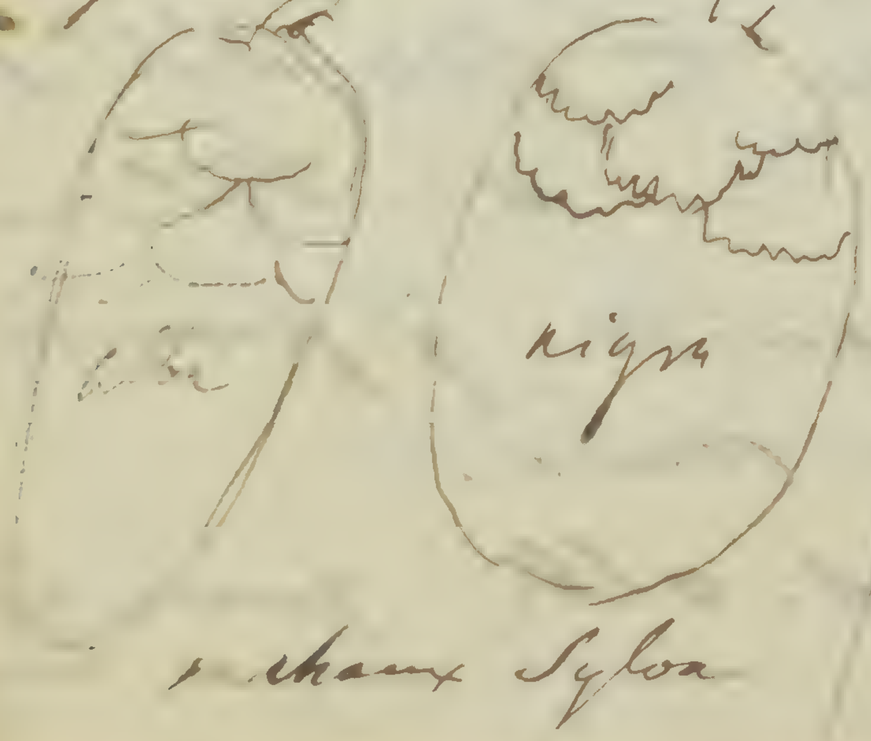
St Louis, Jan 29 '62

My dear Doctor

The dead letter office has returned my letter to you of last August, which, though unimportant, I hereby send.

Studying the Pines in all the different works, I come to the conclusion now, that your "alba" is "nigra" — very appropriate for the times, is it not, turning black is white and white is black! Was the appearance of the trees foliage white or dark?

This Abies nigra was a doubtful plant to botanists, to Gray (Manual) also and a sort of myth, till he found the true plant near Quebec, when he at once recognized its difference from A. alba, some more sombre forms of Fir with a little larger cones he had before taken for Michaux's, nigra.



I shall ask him to send me a few leaves and, if possible, a cone.

Gray writes to day that Lillivan will only print a small part of your paper in

Michaux Sylva

the March number, but he wants me to have my part ready by the end of April. I am sorry now that we did not print in our "Transactions" which will come out sooner. —

I believe I have to ask you to let me have your whole Pine collection. Comes and all, while you are away in order to study them thoroughly, to be returned as soon as you will be back. —

Scott writes me that he intends to send his whole collection of ferns to Prof Mettenius at Leipzig as best and most accurate from men now, and asks for a letter of introduction for me — so I shall not trouble myself with those fragments.

I mean to study carefully if necessary, microscopically the fol. of the Oaks, to find distinctive characters in them — so that we may distinguish species, if possible, even without the cones.

The leaves of A. alba, grown here — are much more sleader and whitier than your leaves, sent the other day. (of Arizona)

Gray writes me that your splendid Primula is, as Hooker says, identical with the Siberian P. nivalis; nothing about Rhizomophila. —

137 Geum hamilis — has it not a greenish flower?

Thanks, for the Seeds; I shall send some to Boissier in Geneva, who cultivates alpine Plants of Switzerland, Norway, Spain, Pyrenees, Caucasus etc. —

Thanks for your writing to Dr Kellogg. I can offer him copies of my Cactus works, ~~and~~ his publications; also plants.

How would it be if you would give me a few introductory lines for him! and I then write him myself.

I want his Pines, Oaks etc.

Ever yours
J. Engelmann

Do you not address my diplomacy about your news in that old letter? It was written as if it might fall in wrong hands!

Mr H. Tafel, a brother in law of our friend A Schott was killed in the Pilsrow battle

Gray's letter leaves me in the dark whether he considers the common New England fir as alba or nigra. The have of the foliage is certainly whitish or glaucous. I include a branche of a tree of their cultivated here.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Collaary

St Louis Oct 4th 1862

My dear Doctor

You will say that I am a graceless scamp never to have acknowledged those potatoes! And you are right! I now make the amende honorable! The potatoes never came when they came at last, onions — that is one barrel was onions, the other potatoes. The transmutation I suppose might be one of those botanical mysteries like the transition of Aegylops into wheat — if it could not, less interestingly but perhaps more truthfully be explained by some confusion on board the boat. — The onions came very apropos, especially as the potatoes, though excellent, were rotting away very fast. — The same kind is also offered here for sale. I had never seen them before.

I have now from Germany leaves of the original Pideys Flowers and P. rembrandus, which would seem to differ, ~~tho~~ and are

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

as before suggested, perhaps not different from my P. osteospermum.

I now want your elevated my P. arnyi and shall also write to the never answering Torrey and pester him for some material of Newberry's plant.

I have found now an unripe cone of P. Reflexilis (of Fendler's State Coll) which has much larger seeds than yours and much like Newberry's figure — I still think his to be an alpine flexilis, though you may not have seen the most elevated shrubby forms, such as Newberry describes. present

If you want to send me all your Pine Material, you may include now only a few branches of leaves (3-4-5) of your plant, if not, send me a little branch in your next letter. —

Ever yours

S. Engelmann

MISSOURI BOTANICAL GARDEN
copyright reserved

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Albany March 9th 1865

Dear Parry

I had just put aside the enclosed for you, when, late this evening, George brought your letter from the Postoffice — My silence is to you as inexplicable as yours is to me! so we are quits — but I was going to write this evening — and why!

Abies Williamsonii

is not our plant — that would be not much, but it is not even allied to it — it is a Tsuga — apparently allied to Canadensis. For a great good fortune Drummond sent male flowers — so I will be able to morrow, to make out from the Pollen, whether neanor Canadensis or Douglasii! What a luck! You would on could have seen me jump 3 feet high. Torrey's old dead one which I have before a month or so could not have told me that. — Nutkensis has the figure of leaf correct enough

but who could have guessed that the little upward point means the petiole! But so it is.

Enclosed close leaves & acorns of the Californ ponderosa — can that be young?

Your opening has in male the branch 2 and in female 3 leaves just as is often the case in P. mitis, and in several Californians.

Greene has sent wise things but I crave more complete ones! With all my richness in Williamsoni I want the seeds yet to complete the history of that plant. — With it associated in Califor is „Pinus flexilis" which is no doubt P. albicaulis — just as both come together to Newberry! And there is a third one which is the representative of our aristata — so that the 3 sp. of the Rocky mts are replaced by 3 analogous ones in the Sierra Nevada!! — I judge perhaps too hastily of the analogous of P. aristata. It may be aristata with very short leaves or mucronis — have not yet studied it.

Yes — send on, for we are printing now — Attempted Ascent of Long's Peak! and all your Barom Obs. so as to give a list of altitudes as I did two years ago. It will take some time to calculate them and I know not a minute to spare. I am rather riled that you have not sent them long ago!

But send us your Long's Peak Plates, however, we care not give.

Send your Barom by hand if you can. No Shaw would not take wood cuts. —

Your Torreyana turns up in B. Coll. from San Pedro — young cone 1 year old — & very ament — no males.

Coulteri only in Cedar — looks different — Bolander has received a cone for one which is very distinct from Sabiniana he says.

He sends Sabiniana in all stages.

Will see whether your contorta

is distinct from the Californian one. Brewer sends cones 1 inch (Mountain) and 3 inches long (lower country) all labeled contorta.

Write with better ink — or I shall have to use microscope to make out your letter!

Send also your Barnett observ. of Davenport so that I can compare with mine and make out your altitude.

Barom. in Winter always much more variable than in Summer but I believe that even in Winter it is not as variable in Mountains than here, and here less so than at the seaboard.

In haste I close this hypothetical epistle

Yours, etc.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN LIBRARY

G. Engelmann

I have seen nothing in Hillebrand's Flora of Sierra! Over it?

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Dr Engelmann

St Louis March 13 1866

My dear Parry

What in the world has become of you? — Did you may put the same question to me! So I will tell you that I have been very busy professionally through the winter, but all my leisure hours have been devoted to botany, as usual; and, as since 8 months, I have been still engulphed — almost — in the mushes. I receive rich collections from many parts of the country; Bolander in San Francisco has sent a good many and Brewer, who is at New Haven has sent more, among them again Junius Parryi & Drummond" and a little " love of a " Juncus with 1 flower scapes from the Sierra Nevada

not size

MISSOURI BOTANICAL GARDEN
copyright reserved

I am working the whole mass now for publication. —

What have you been doing, — & what are you going to do?

Very truly yours

G. Engelmann

Prof Caspary in his great forthcoming work on Nymphaeaceae intends to give a short biography of all botanists who have done something for the promotion of our knowledge of that family. So he wants also yours — please let me have it — about two pages or so, for the sake through the scientific development botanical labors to the present time.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Dr Engelmann
Nov 21st 65

St Louis Nov 21st 1865

Dear Doctor

Bigelow writes to say that it is bad in you to cut him!

Thanks for the news from Schott. — What has he to do with the loose morals of the señoritas? I suppose they will let him alone, if he will. Old Sartwell also writes me for my Photograph — Have to have it done some time or other.

I hope you will ferret out that Herbarium, Where is it — who is the legal (if not legal) owner, who the present trusty, who the surgeon, who, may be, saved it from destruction, just as the popes in Rome saved a good many antiquities by declaring the heathenish remains holy, making churches of the temples and putting St Peter on the Column of Trajan! A wise move! and so, long live the wise surgeon. — But who can the owner be? Chapman? Ravenel?

Curtis writes me that at the time of Johnston's surrender to Sherman the latter was only 6 miles from his residence and, one more march would have brought the exasperated Soldiers to the presence of his town, his herbarium, his books etc, and

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Send a few Cones.

question is, whether a considerate Surgeon could have saved them by confiscation or conflagration.

Yes, you are right; Shaw deserves great credit & encouragement as well as acknowledgement; and if he has not done as much as he might have, he has done a vast deal — and in that line, in his way, more than any body else in this country.

If you want me to name your Juaci send them along; I have a fragment of the original J. patavinus Kunth, from the Berlin Herbarium; it is a common species but badly described so that it had escaped Botanists here — I had put down the plant as n. sp.

I am not yet done with Juaci, nor with pines, so there is time yet to prepare another descent; nor are the Sagittarias eradicated — but "more anon" a sudden inspiration will carry him to some unexpected corner. De Candolle says it is bad and annoying that botanists will study and work in the families he has finished and not in those that are awaiting in the Prodromus yet — adding to my Cassava and other things; will near Pines or Juaci are done yet. Yours ever G.E.